

NOVEMBER 25.

The President, Dr. RUSCHENBERGER, in the chair.

Twenty-nine members present.

The following paper was presented for publication:—

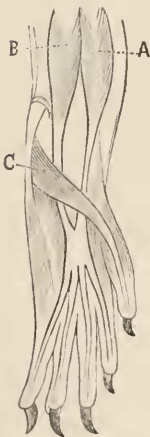
“Description of seven new species of Unionidæ of the United States.” By Isaac Lea.

The Committees to which were referred the following papers: “On the Homologies and Origin of the types of Molar Teeth in Mammalia Educabilia,” by Edward D. Cope, and “Contributions to the Ichthyology of Alaska,” by Edward D. Cope, reported in favor of their publication in the Journal.

The death of Frank Guckert, Correspondent of the Academy, was announced.

*Disposition of the Flexor perforans, Flexor longus hallucis, and Flexor accessorius in Paradoxurus musanga Gray.*—Dr. H. C. CHAPMAN made the following remarks:—

I have pleasure in calling the attention of the members of the



Academy to the arrangement of the Flexor longus hallucis and Flexor accessorius in the Musanga. For the opportunity of dissecting the animal I am indebted to the Directors of the Zoological Garden. Usually in pentadactyle animals there is found a muscle, the Flexor longus hallucis, which, rising from the fibula, passes down to the sole of the foot, and after giving a slip to the Flexor perforans is inserted into the hallux. In man and some other animals, there also exists a muscle, the Flexor accessorius, which, rising from the calcaneum, is inserted into the conjoined tendon of the Flexor perforans and Flexor longus hallucis. The names of these muscles indicate their function. In the Musanga, however, the muscle *B*, which is homologous with the Flexor longus hallucis of man, etc., simply fuses with the tendon of the Flexor perforans, *A*, while the Flexor accessorius, *C*, after giving off muscular slips to

the Flexor brevis digitorum, terminates in a tendon which is inserted into the hallux. The Flexor accessorius acts, therefore,

the part of the Flexor longus hallucis, while the latter muscle is functionally only a part of the Flexor perforans. The Flexor accessorius also draws the hallux towards the foot. The F. accessorius, *C*, in the figure is slightly drawn up.

Dr. T. R. Wolf was elected a member, and Prof. S. E. Planchon, of Montpellier, France, was elected a correspondent.

On report of the Committee, the following paper was ordered to be published.